

DOBROGERDOVA, N.B.; BAKHMET'YEVA, G.S.; LEONOVA, A.I.; GOSTULSEAYA, I.V.  
KAZANSKIY, B.A.

Displacement of double bonds in hexenes in the presence of  
platinum catalysts. *Neftkhimiya* 4 no.2:215-218 Nov-86/67  
(# RA 17:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova,  
khimicheskiy fakul'tet.

BAKHMET'YEVA, S.

Member of the innovators army. Sov.profsoiuzy 7 no.20:  
28-30 0 '59. (NIRA 12:12)  
(Leningrad--Technological innovations)

KONTRIMAVICHUS, V.L., BAKHMET'YNYA, T.L.

Helminth fauna of loons in the lower Lena Valley. Trudy Gel'm. lab.  
10:124-133 '60. (MIRA 13:7)  
(Lena Valley--Worms, Intestinal and parasitic)  
(Parasites--Loons)

SUDARIKOV, V.Ye.; KARMANOVA, Ye.M.; BAKHMET'YEVA, T.L.

Types of the metacercariae of trematodes of the order  
Strigeidida in leeches of the Volga Delta. Trudy Astr. zap.  
no.6:197-203 '62. (MIRA 16:7)

(Volga Delta--Trematoda)  
(Volga Delta--Parasites--Leeches)

BAKHMETIYEVA-ZIATEVA, V.P. (Sofiya)

Professor Porfirii Ivanovich Bakhmet'ev. Sov.zdrav. 21 no.12:  
71-72 '62. (MIRA 15:12)  
(BAKHMET'EV, PORFIRII IVANOVICH, 1860-1913)

BAKHMUROV, A.P., inzhener-mayor

When they forget about control. Vest.Vozd.Fl. no.7:58 J1 '61.  
(MIRA 14:8)

(Airplanes, Military--Maintenance and repair)

BAKHMUT, M.P.

Industrial hygiene in sand drying in locomotive depots and in electric stations. Gig. sanit., Moskva no. 1:28 Jan 1953. (GML 24:2)

1. Of the laboratory of Labor Hygiene of Sverdlovsk Railroad.

BARABASHCHUK, O.V.; BAKHMUT, P.G. [Bakhmut, P.H.]; GUBINA, K.M. [Hubina, K.M.]; DEMYANKO, M.D.; KALITA, S.M.; KARACHEMPSHEVA, L.S.; KONDRAT'YEVA, V.I.; KORZACHENKO, M.N.; LITYINOVA, N.M. [Litvienova, N.M.]; SOKOLOVA, M.I.; STORONSKAYA, O.Y. [Storons'ka, O.I.]; TRINKINA, N.V.; TONKIKH, P., otv. za vypuski; MARCHENKOV, S., red.; KURITSA, G. [Kuritsa, H.], tekhn.red.

[Economy of Drohobych Province; statistical collection] Narodno hospodarstvo Drohobychs'kol oblasti; statystychnyi zbirnyk. Drohobych, 1958. 158 p. (MIRA 12:11)

1. Drohobych (Province) Statisticheskoye upravleniye. 2. Statisticheskoye upravleniye Drohobychskoy oblasti (for all except Tonkikh, Marchenkov, Kuritsa).

(Drohobych Province--Statistics)

122-2-9/23

AUTHOR: Bakhmutov, A.A., and Ivakin, P.P., Engineers.

TITLE: The plastic straightening of propeller shafts in turning  
(Plasticheskaya pravka grebnykh valov pri tokarnoy obrabotke)

PERIODICAL: "Vestnik Mashinostroyeniya" (Engineering Journal),  
1957, No.2, pp. 51 - 54 (U.S.S.R.)

ABSTRACT: Bending deflection in ships' propeller shafts under the influence of built-in stresses is discussed. The relations between stresses and deflections are stated. A rational method of plastic straightening by mounting between centres in a lathe and applying progressive straightening deflections by a jack for several hours is presented. Artificial ageing is recommended.

Card 1/1 There are 1 illustration and 2 tables.

AVAILABLE: Library of Congress

BAKHUTOV, A.A., inshener; IVAKIN, P.P., inshener.

Plastic straightening of machined propeller shafts. Vest.  
mash. 37 no.2:51-54 P '57. (MLRA 10:2)

(Shafts and shafting)

*Bakhmutov, L. A.*

Category: USSR/Analytical Chemistry - Analysis of inorganic substances.

G-2

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 31005

Author : Bakhmutov L. A.

Inst : not given

Title : Analytical Spectral Lines of Cobalt in the Case of a Sample Containing Iron and Nickel

Orig Pub: Zavod. laboratoriya, 1956, 22, No 11, 1321-1322

Abstract: For determination of Co in powders best suited are the 3044.0 and 3061.8 A lines. On using a medium spectrograph, when large concentrations of Mn and Cr, faint lines of Mn and Cr are superposed over the 3044.0 A line. The sensitive 3405.1 A line of Co coincides with the C line arising from the carbon electrodes.

*V.V. VAKHRUSHEV MINING Inst., Sverdlovsk*

Card : 1/1

-41-

*С. А. Бакмутов, Л. А.*

AUTHOR: Bakmutov, L. A.

7-1-6/12

TITLE: The Distribution of Cobalt, Nickel and Copper in Hydrothermally Altered Rocks of the Pyshmin-Klyuchevskoye Deposit  
(O raspredelenii kobalta, nikelya i medi v gidrotermal'no-izmerennykh porodakh Pyshminsko-Klyuchevskogo mestorozhdeniya)

PERIODICAL: Geokhimiya, 1958, Nr 1, pp. 60-69 (USSR).

ABSTRACT: First the author shortly describes the deposit and discusses then his methods. 20 cores up to a maximum depth of 700 m were investigated; the samples were taken at a distance of from two to two meters depth, in metasomatic rocks each meter. The content of cobalt, nickel, and copper was determined spectrographically. The vertical distribution of these elements in two of the cores is represented graphically. A projection vertically to the profile shows the distribution of cobalt and nickel. The behavior of each of the three elements is discussed, then the author discusses in short the ratio between hydrothermally altered zones and the mineralization. The last chapter deals with the migration of the metals through the magma.  
Hence results. for the deposit Pyshmin-Klyuchevskoye the elements

Card 1/2

The Distribution of Cobalt, Nickel and Copper in  
Hydrothermally Altered Rocks of the Pyshmin-Klyuchevskoye  
Deposit.

7-1-6/12

can be ranged empirically according to their mobility as follows:  
S, Fe, Cu, Ni, Co, Au, Ag. This corresponds to the principle of  
differential action of D. S. Korzhinskiy (reference 4). Little  
mobile elements have discontinuous concentration; the more mobile  
an element, the more constant is its distribution.  
There are 3 figures, 2 tables, and 11 references, all of which  
are Slavic.

ASSOCIATION: Sverdlovsk Mining Institute imeni V. V. Vakhrushev  
(Sverdlovskiy gornyy institut imeni V. V. Vakhrusheva)

SUBMITTED: August 27, 1957.

AVAILABLE: Library of Congress.

1. Geology 2. Rock-Analysis

Card 2/2

BAKHUTOV, V. A.

Bakmutov, V. A.

"Investigation of the Phenomenon of Sticking of the Working Parts of Soil-Cultivating Machinery and the Battle against It." Min Higher Education USSR. Moscow Inst of the Mechanization and Electrification of Agriculture imeni V. M. Molotov. Moscow, 1955. (Dissertations for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya Letopis', No 27, 2 July 1955

BAKHMUTOV, V.A., kand.tekhn.nauk; UL'YANOV, F.G., kand.tekhn.nauk;  
ROZIN, M.A., red.; PEVZNER, V.I., tekhn.red.; SOKOLOVA,  
N.N., tekhn.red.

[Mechanizing the growing of pulse crops] Mekhanizatsiia vos-  
delyvaniia zernobobovykh kul'tur. Moskva, Sel'khozizdat,  
1962. 141 p. (MIRA 16:3)  
(Legumes) (Agricultural machinery)

1. CHERVINSKAYA, A., BAKHOUTOVA, V.

2. USSR (600)

4. Oils and Fats

7. Separating beef fat in the ISA separator. Eng. Mias.ind. SSSR 23 no. 6, 1952

9. Monthly List of Russian Accessions. Library of Congress. March 1953. Unclassified.

*BAKHMUTOVA, V.*

AGEYEVA, A.P.; AKSENOVA-CHEKASOVA, A.S., aspiranka; VELIKANOV, L.N., bibliotekar'; GAVVA, F.M.; GIRENKO, P.D., Geroy Sots. truda; GUBANOV, M.M., pensioner; GUS'KOVA, T.K., nauchnyy sotr.; DAVYDOV, A.G., prepodavatel'; DANILEVSKIY, V.V., prof., dvazhdy laureat Stalinskoy premii; DOVGOPOL, V.I., laureat Stalinskoy premii; YELOKHIN, M.F.; YERMAKOV, A.D.; IVANOV, V.G., prepodavatel'; KOVALEVICH, V.K.; KOVALEVSKAYA, Ye.S., zhurnalistka; PANKRATOV, A.G.; POPOVA, F.M.; URYASHOV, A.V.; FEDORIN, I.M., kand. ist. nauk; FILIPPOV, F.R.; CHUMAKOV, N.P.; SHEPTAYEV, K.T., zhurnalist; VAS'KOVSKIY, O.A., kand. ist. nauk, retsenzent; KULAGINA, G.A., kand. ist. nauk, retsenzent; GORCHAKOVSKIY, P.L., prof., doktor biol. nauk, retsenzent; BAKHMUTOVA, V., red.; SAKNYN', Yu., tekhn. red.

[Nizhniy Tagil]Nizhniy Tagil. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1961. 294 p. (MIRA 16:1)

1. Nizhne-Tagil'skiy krayevedcheskiy muzey (for Ageyeva, Gus'kova).
2. Zaveduyushchiy gorodskim otdelom narodnogo zdravookhraneniya, Nizhniy Tagil (for Velikanov).
3. Zaveduyushchiy gorodskim sel'skokhozyaystvennym otdelom goroda Nizhniy Tagil (for Gavva).
4. Nachal'nik upravleniya stroitel'stvom Sverdlovskogo sovna-rkhoza (for Girenko).
5. Deystvitel'nyy chlen Akademii nauk Ukr. SSR, Leningradskiy politekhnicheskii institut (for Danilevskiy).

(Continued on next card)

GLIKIN, Mikhail Isaakovich; BAKIMUTOVA, V., red.; ANTONYUK, I., tekhn.  
red.

[Lung cancer] Rak legkogo. Sverdlovsk, Sverdlovskoe knizhnoe izd-  
vo, 1961. 172 p. (MIRA 15:6)

(LUNGS--CANCER)

BENESENEV, Al'vian Pavlovich, kand. tekhn. nauk, st. nauchn.  
sotr.; PETRI, Viktor Nikolayevich, doktor sel'khoz. nauk;  
BARISMUTOVA, V., red.; MAKSIMOVA, E., tekhn. red.

[Improvement of wood] Oblagorazhivanie drevesiny. Sverd-  
lovsk, Sverdlovskoe knizhnoe izd-vo, 1960. 168 p.  
(MIRA 17:4)

PINKHASIK, Mark Izrailevich, prof.; BAKHMUTOVA, V., red.;  
PAL'MINA, N., tekhn. red. ~~\_\_\_\_\_~~

[Tuberculous coxitis in children] Tuberkuleznyi koksit u  
detei. 2. izd., prosmotrennoe i dop. Sverdlovsk, Sverd-  
lovskoe knizhnoe izd-vo, 1963. 269 p. (MIRA 16:9)  
(HIP JOINT--TUBERCULOSIS) (CHILDREN--DISEASES)

BAKINITSKAYA, E. YA

Rabota nakhodigsya v pechati.

SO: Mathematics in the USSR, 1917-1947  
edited by Kurosh, A.G.,  
Markushevich, A.I.,  
Rashevskiy, P.K.  
Moscow-Leningrad, 1948

L 18026-66 EWT(m)/T WE

ACC NR: AP6007672

(A)

SOURCE CODE: UR/0413/66/000/003/0043/0043

45  
B

INVENTOR: Butkov, N. A.; Markus, G. A.; Tlyustangelova, M. V.; Ozerskiy, G. M.;  
Chernomordik, Ye. Ya.; Suharev, Ye. I.; Smirnov, A. M.; Bakmutskaya, A. P.

ORG: none

TITLE: Additive to heavy fuels. Class 23, No. 178438

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 43

TOPIC TAGS: fuel additive, iron containing fuel additive

ABSTRACT: An Author Certificate has been issued for an additive to heavy fuels which consists of coking waste products (naphthalene homologs and nitrogen bases). To increase the effectiveness of the additive, it is formulated to include organoiron compounds in amounts such that the additive's ash content be 0.8 to 1.5% expressed as Fe<sub>2</sub>O<sub>3</sub>. The organoiron compounds used are prepared by treatment with sodium hydroxide and ferric chloride of the residue from coal phenol rectification. [RU]

SIB CODE: 21/ SUBM DATE: 31Dec64/ ATD PRESS: 4A2

Card 1/1 vmb

UDC: 62-634.2

2

BAKHMUTSKAYA, E.Ya. (Khar'kov); PRUDNIKOV, V.Ye. (Moscow); BOSSINSKIY, S.D. (Moscow); DEPMAN, I.Ya. (Leningrad); SHOSTAK, R.Ya. (Moscow); PIKHTENGOOL'TS, G.M. (Leningrad); SPASSKIY, I.G. (Leningrad); GUSOV, V.V. (Vladivostok); RYBKIN, G.F., redaktor; YUSHKEVICH, A.P., redaktor.

[Historical studies in mathematics. Vol. 5] Istoriko-matematicheskie issledovaniia. Moskva, Gos. izd-vo tekhniko-teoreticheskoi lit-ry, 1952. 472 p. Vol. 5. (MLRA 6:5)

1. Moscow. Universitet. Seminar po istorii matematiki. (Mathematics) (Osipovskii, Timofei Fedorovich, 1765-1832) (Peterson, Karl Mikhailovich, 1828-1881) (Letnikov, Aleksei Vasil'evich, 1837-1888)

BAKHUTSKAYA, E.Ya.

Pedagogical activities of V.A.Steklov at the Kharkov Technological  
Institute. Ist.-mat.issl. no.6:529-534 '53. (MLRA 7:9)  
(Steklov, Vladimir Andreevich, 1863-1926)

BAKHUTSKAYA, E.Ya.

Power series for  $\sin \theta$  and  $\cos \theta$  in the works of Hindu  
mathematicians of the 15th to 18th century. Ist.-mat.  
issl. no.13:325-334 '60. (MIRA 14:8)  
(Mathematics, Hindu)

BAKHMUTSKAYA, E.Ya.

Infinite series in the works of the mathematicians of South India during the period from the 15th to the 18th century. Iz ist.nauki i tekhn.v stran.Vost. no.2:174-189 '61. (MIRA 14:9)  
(Mathematics, Hindu) (Series, Infinite)

BAKHMUTS'KA, E.Ya. [Bakhmuts'ka, IE.IA.]

Blaise Pascal's studies on infinitesimal analysis; on the third  
centennial of his death. Ist.-mat. zbir. 3:7-27 '62. (MIRA 16:10)

BAKHMUTSKAYA, S. A.

"Research Work in the Field of Pediatrics in 1952, " *Pediatriya*, No.1, 1952

BACHMUTSKAYA, S. S.

PA 8T1

USSR/Acetylene Chemistry  
Chemistry-Acetylene

Feb 1947

"The Derivatives of Acetylene," I. N. Nazarov,  
S. S. Bachmutskaya, 8 pp

"Izv Ak Nauk Khim" No 2

The mechanism of cyclohydration of symmetrically  
disubstituted dienines, the hydration of 2.5-  
dimethyl-1.5-hexadiene-3-ine and the cyclization  
of 2.5-dimethyl-1.5hexadiene-3-one.

8T1

**BAKH MUTSKAYA**

Acetylene derivatives. LXXI. Mechanism of hydration and cyclization of diynesos. 13. Hydration and cyclization of 2,3-dimethyl-1,3-heptadien-3-yne. I. N. Nazarov and S. S. Bakhmutskaya. *Zhur. Obshch. Khim.* (U.S.S.R. Chem.) 18, 1077 (1948); cf. C.A. 43, 116a, 42, 2711a. Me<sub>2</sub>C(OH)C≡CH (160 g.) and 100 g. Me<sub>2</sub>CO in 200 ml. Et<sub>2</sub>O were added in 2 hrs. to a stirred and cooled suspension of 230 g. powd. KOH in 1 l. Et<sub>2</sub>O, stirred 6 hrs. at room temp., let stand overnight, and the mixt. washed with 80 ml. H<sub>2</sub>O and extd. with Et<sub>2</sub>O, giving 212 g. 2,3-dimethyl-3-heptyne-2,3-diol, b<sub>p</sub> 100-5°, which crystd. on cooling. This (212 g.) and 22 g. powd. KHSO<sub>5</sub> heated 30 min. at 130-60° with slow distn. gave 70 g. 2,3-dimethyl-1,3-heptadien-3-yne (I), b<sub>p</sub> 38-42°, and 48.5 g. higher-boiling products which were not investigated. The pure hydrocarbon is a light yellow liquid which rapidly polymerizes on storage, although it can be kept with pyrogallol, on distn. it leaves much residual matter; it b<sub>p</sub> 40-2°, n<sub>D</sub><sup>20</sup> 1.4040, d<sub>4</sub><sup>20</sup> 0.7881. Hydrogenation over Adams' Pt catalyst in AcOH gave 2,3-dimethylbutane. I (91 g.), 270 g. 90% aq. MeOH, 3 ml. H<sub>2</sub>SO<sub>4</sub> (d. 1.83), and 6 g. 1% sulfate were stirred 8 hrs. at 65-60° with gradual addn. of 12 g. Hg sulfate, after the usual treatment, there were obtained 9 g. I and 23 g. 2,3-dimethyl-1,3-heptadien-4-one, b<sub>p</sub> 70-4°, n<sub>D</sub><sup>20</sup> 1.4330, d<sub>4</sub><sup>20</sup> 0.8111, a yellow polymerizable liquid; some 14 g. intermediate fraction contg. the diene and a MeCO part. were also obtained; hydrogenation of the diene over a Pt catalyst in EtOH gave 2,3-dimethyl-4-heptene, b<sub>p</sub> 167-70°, n<sub>D</sub><sup>20</sup> 1.4100 (semicarbazone, m. 133°). The ketone (17.5 g.) and 17 ml. H<sub>2</sub>SO<sub>4</sub> (d. 1.84) stirred 4 hrs. at 60-5° gave 12 g. 1,2,3,3-tetramethyl-1-cyclopropan-6-one (II), colorless liquid of camphorlike odor, b<sub>p</sub> 68-70°, n<sub>D</sub><sup>20</sup> 1.4770, d<sub>4</sub><sup>20</sup> 0.9230; semicarbazone, m. 232-3° (from Me<sub>2</sub>CO); hydrogenation of the cyclic ketone over Pt in AcOH gave 1,2,3,3-tetramethyl-1-cyclopropanone, b<sub>p</sub> 98-90°, n<sub>D</sub><sup>20</sup> 1.4520; semicarbazone, m. 191-2° (from Me<sub>2</sub>CO). Oxidation of II gave AcOH and α,β-dimethylcrotonic acid (semicarbazone, m. 180°), the latter (1.3 g.) in 2.7 g. NaOH and 15 ml. H<sub>2</sub>O treated with cooling with 2.6 g. Hg gave 0.8 g. α,β-dimethylcrotonic acid, m. 130-40°. Thus, cyclization resulting in II is not accompanied by formation of a 6-membered ring. LXXII. 10. Hydration and cyclization of 4,7-dimethyl-3,7-decadien-5-yne. I. N. Nazarov and O. P. Verkhobitova. *Ibid.* 10(3) 9. -Cyclization of 4,7-dimethyl-3,7-decadien-5-yne proceeds with much more difficulty in comparison with less substituted vinyl allyl ketones, probably because of steric hindrance effects. C<sub>12</sub>H<sub>22</sub> (231) and 258 g. Me<sub>2</sub>CO were added simultaneously to a suspension of 252 g. powd. KOH in 1 l. Et<sub>2</sub>O with cooling at 0-10°, and the mixt. let stand overnight after 4 hrs. of stirring; after the usual treatment there were obtained 60 g. 2-methyl-1-heptyne-3-ol, b<sub>p</sub> 47°, and 100 g. 4,7-dimethyl-3-decadien-5-ol, b<sub>p</sub> 121-9°, m. 51-4°. The latter was dehydrated by several methods: (a) 100 g. diol and 100 ml. 50% H<sub>2</sub>SO<sub>4</sub> stirred 3 hrs. at 60° and 2 hrs. at 80° gave 27 g. 4,7-dimethyl-3,7-decadien-5-yne (I), yellow liquid, b<sub>p</sub> 81-4°, n<sub>D</sub><sup>20</sup> 1.4920; (b) 25 g. diol and 250 ml. 60% H<sub>2</sub>SO<sub>4</sub> heated to boiling with gradual distn. of the product at const. acid concn. gave 6.5 g. I and 8 g. higher-boiling matter; (c) 200 g. diol and 100 g. powd. NaHSO<sub>4</sub> heated under reduced pressure to 135-60° gave 77 g. pure I, b<sub>p</sub> 78-8°, n<sub>D</sub><sup>20</sup> 1.4880, d<sub>4</sub><sup>20</sup> 0.8002, as well as 69 g. higher-boiling matter. Hydrogenation by 3 mols. H<sub>2</sub> in EtOH over Pt on k<sub>2</sub> gave 4,7-dimethyldecane, b<sub>p</sub> 98-91°, n<sub>D</sub><sup>20</sup> 1.4312, d<sub>4</sub><sup>20</sup> 0.7826; complete hydrogenation in AcOH gave 4,7-dimethyldecane, b<sub>p</sub> 92.5-5°, n<sub>D</sub><sup>20</sup> 1.4280, d<sub>4</sub><sup>20</sup> 0.7871. I (64 g.), 135 g. 90% MeOH, 1 ml. concd. H<sub>2</sub>SO<sub>4</sub>, and 2 g. Hg sulfate stirred 4 hrs. at 60° with addn. of 4 g. Hg sulfate gave 26 g. I and 12 g. 4,7-dimethyl-3,7-decadien-5-one (III), b<sub>p</sub> 100-5°, n<sub>D</sub><sup>20</sup> 1.4770, d<sub>4</sub><sup>20</sup> 0.9230.

yellow liquid, b. 101-5°, n<sub>D</sub><sup>20</sup> 1.4800, d<sub>4</sub><sup>20</sup> 0.8349, which on hydrogenation in MeOH over Ni (Manczy) gave 4,7-dimethyl-3-decane, b. 94-5.5°, n<sub>D</sub><sup>20</sup> 1.4716, d<sub>4</sub><sup>20</sup> 0.8334; condensation of II gave HCCOII, AcOII, and HCCOII. II (14 g.), 14 g. HCCOII, and 8 ml. H<sub>2</sub>SO<sub>4</sub> (d. 1.8) stirred 5 hrs. at 60° gave 0 g. 1,2-dimethyl-2-ethyl-3-propyl-1-cyclopentane-3-one, colorless liquid with camphor odor, b. 108-109-10°, n<sub>D</sub><sup>20</sup> 1.4872, d<sub>4</sub><sup>20</sup> 0.9199; semicarbazone, m. 164° (from dil. MeOH); II heated with H<sub>2</sub>SO<sub>4</sub> alone gave 0° (from dil. MeOH); II heated with H<sub>2</sub>SO<sub>4</sub> alone gave 0° (from dil. MeOH), AcOII, HCOAc, and β-methyl-β-propiophenone acid, b. 120-4° (semicarbazone, m. 164° (from 60% EtOH)). I (10 g.) and 20 ml. concd. HCl stirred 5 hrs. at 70° gave 14 g. I and 20 g. crude I, contaminated by Cl-contg. substances; careful fractionation permitted isolation of 8 g. orange liquid which had an active Cl atom, b. 111-16°, n<sub>D</sub><sup>20</sup> 1.4801; the presence of II was shown by formation of its semicarbazone, I and more dil. HCl do not react at 70°, while H<sub>2</sub>SO<sub>4</sub> (d. 1.77) gives only tars and unchanged I. LXXIII. Synthesis of polycyclic compounds. I. Diene condensation with 1,3-dimethyl-1-cyclopentane-3-one. A new method of synthesis of polycyclic ketones containing a cyclopentanone nucleus with angular methyl group. I. N. Nazarov and T. D. Nagilina. *Ibid.* 1900-8. - CII: - CHClCCMe, CH<sub>2</sub> (30) g., 100 g. 90% MeOH, 12.5 g. H<sub>2</sub>SO<sub>4</sub> (d. 1.84), and 12.5 g. Hg sulfate (added in 3 portions), stirred 8 hrs. at 60°, yielded 300 g. MeO ketones, b. 72-84°. This mixt. (140 g.) heated in vacuo (20-35 mm.) with 0.7 g. β-MeC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub> gave, after fractionation, 100 g. α,β-isopropenyl ketone, b. 62°, n<sub>D</sub><sup>20</sup> 1.4716. This (100 g.), 100 g. 95% HCCOII, and 35 g. H<sub>2</sub>SO<sub>4</sub> (d. 1.84), stirred 7 hrs. at 80°, yielded 78 g. 1,2-dimethyl-1-cyclopentane-3-one (I), b. 104-6°, n<sub>D</sub><sup>20</sup> 1.4800. - I.

Vinylcyclohexanol (15 g.) and 8 g. powd. K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> heated in a N atm. in vacuo at 120-30° gave 6 g. 1-oxo-1-cyclohexene (II), b. 142-4°, n<sub>D</sub><sup>20</sup> 1.4013. II (13 g.) and 14 g. Acene (III), b. 142-4°, n<sub>D</sub><sup>20</sup> 1.4013. II (13 g.) and 14 g. I heated with 0.5% pyrogallol in a sealed tube 40 hrs. at 120-30° gave 4 g. solid, m. 61-2° (from MeOH), and 3.8 g. liquid, b. 147-8°, n<sub>D</sub><sup>20</sup> 1.5185; these are isomeric substances which are probably 6,7 and 6,1-tetramethylene-1,2-dimethyl-4,7,8,8-tetrahydro-3-indanone; which material represents each of these possibilities has not been established as yet. Similar results are obtained on heating I with II at various temps. up to 210-30°. Hydrogenation of the solid isomer in AcOH over Pt gives the solid, m. 37-8°, which with Na in iso-PrOH gave the corresponding alc., C<sub>12</sub>H<sub>20</sub>OII, m. 77.5-9° (from Et<sub>2</sub>O). Hydrogenation of the liquid isomer (b. 147-8°, n<sub>D</sub><sup>20</sup> 1.5185, d<sub>4</sub><sup>20</sup> 1.0170) (semicarbazone, m. 187-9°) in EtOH over Pt gave the corresponding solid ketone, b. 103-2°, n<sub>D</sub><sup>20</sup> 1.5110, d<sub>4</sub><sup>20</sup> 1.0184 (semicarbazone, m. 163-4° (from MeOH)); this ketone with Na in iso-PrOH gave the corresponding alc., C<sub>12</sub>H<sub>20</sub>OII, b. 144-5°, n<sub>D</sub><sup>20</sup> 1.5170, d<sub>4</sub><sup>20</sup> 1.0163. The hydrogenation products are apparently 6,7- and 4,7-tetramethylene-1,2-dimethyltetrahydro-3-indanone; the alcs. are the corresponding indanols. Heating II (5 g.) 26 hrs. at 180-90° with 0.5% pyrogallol gave 1.5 g. dimer, b. 170-40°, n<sub>D</sub><sup>20</sup> 1.8275, d<sub>4</sub><sup>20</sup> 0.9779, which on hydrogenation over Pt in EtOH gave *perhydro-1-phenylcyclohexane*, b. 147-8°, n<sub>D</sub><sup>20</sup> 1.5040, d<sub>4</sub><sup>20</sup> 0.9487. G. M. Kozlovskii

NAZAROV, I.N.; BAKHMUTSKAYA, S.S.

Derivatives of acetylene. CXIX. Mechanism of hydration and cyclisation of dienes. XXVI. Behaviour of 5 : 6-dimethylhepta-1 : 5-dien-3-yne during hydration and cyclisation. J. gen. Chem. USSR, '50, 20, 1837-1844 [U.S. transl., 1903-1910]. (MLRA 3:9)  
(BA - A II Ja '53:3)

BAKHUTSKAYA, S. YA.

USSR/Medicine - Dysentery, Prevention  
Medicine - Dysentery, Therapy

May 1948

"Dysentery," S. Ya. Bakhutskaya, Cand Med Sci, 4½ pp

"Med Sestru" No 5

Discusses nature of disease, sources of infection and  
some of accepted methods used in its treatment and  
control.

79255

BAKUMTSKAYA, S. YA.

Epidemicheskii gepatit-bolezni' Botkina. [Epidemic hepatitis -  
Botkin's disease/ Med. sestra, Moskva No. 11 Nov 50 p. 8-10.

1. Candidate Medical Sciences.

GLML 20, 2, Feb 51

BAKHMUTSKAYA, S. Ya.

Problem of bacterial carriage. Klin. med., Moskva 31 no.6:85-86 June 1953.  
(CML 25:1)

1. Candidate Medical Sciences. 2. Of the Department of Infectious Diseases  
(Head -- Prof. G. P. Rudnev, Corresponding Member AMS USSR), Central  
Institute for the Advanced Training of Physicians, Moscow.

BUROVA, O.; DIDENKO, R.; BAKHMUTSKAYA, Ye.; NIKIFOROVA, L.

Freezing of endocrine enzyme raw materials in polyethylene films. Mias. ind. SSSR 34 no.4:16-17 '63. (MIRA 16:10)

1. Leningradskiy ordena Trudovogo Krasnogo Znameni myasnoy kombinat imeni S.M. Kirova.

BAKIMUTSKIY, B.

One of the best in the Ukraine. Sel'.stroj. 13 no.11:9 N '58.  
(MIRA 11:12)  
1. Starshiy inzhener Upravleniya meshkolkhoznykh stroyorganizatsiy  
Glavkolkhozstroya Ministerstva sel'skogo khozyaystva USSR.  
(Cherkassy District--Building)

ДАКХАМОВСКИЙ, Г. И.

621.332.43 : 622

3864. NON-CONTACT ELECTRIC LOCOMOTIVE TRAC-  
TION FOR MINES. H.A. Staroskol'skii, F.I. Dakhamutskii,  
B.G. Kamenetski and V.E. Rozenfel'd.

Elektrichestvo, 1956 No. 4, 28-31. In Russian.

Since the first narrow-gauge non-contact electric loco-  
motive operating at 1500 c/wa was put on the rails, development  
work on the system has produced fully satisfactory results in  
so far as this kind of traction is now technically and economic-  
ally superior to traction by battery locomotives. Where full  
compliance with the existing safety regulations in mines is  
concerned, further improvements were suggested. Up to now  
the low operating voltage (40 V) makes the system reasonably  
safe against sparks resulting from heating up of metal objects  
by induction. This is a conventional firing of shot.

B. F. Kraus

*Moscow Power Eng. Inst. in. Molotov*

Electrical Engineering Abstracts  
May 1954  
Engineering.

1854 Relation between incendive current and frequency  
N. A. STAROSKOVA and E. I. BAKHURIDZE  
Elektrichstvo, 1953, No. 7, 59-60. In Russian.

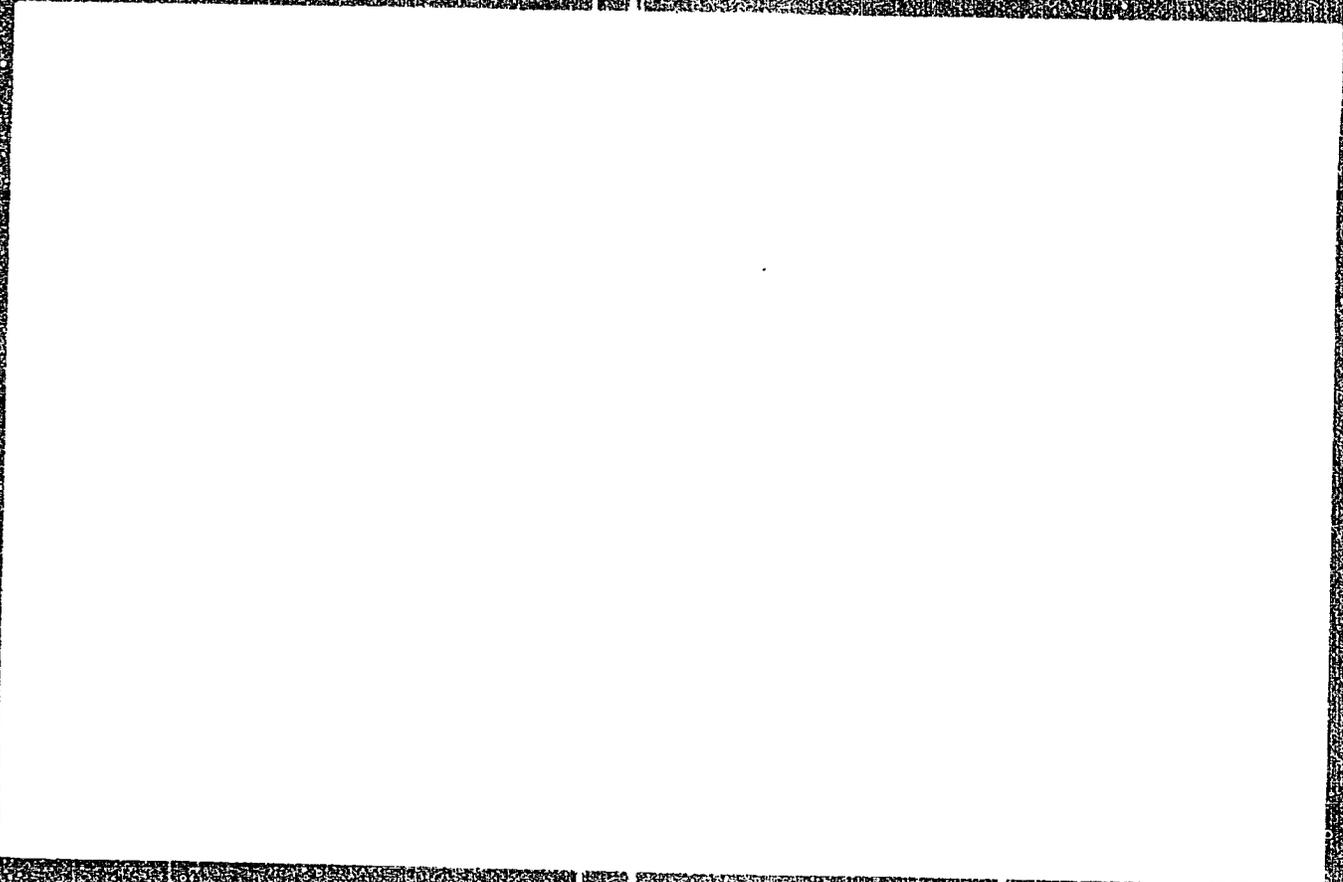
Since mining locomotives to work on a 1500-8000 c/s supply are under consideration and mining communications and dispatching installations are being operated at 10-2 Mc/s, the relation between incendive current and frequency becomes of practical interest. Previous investigations of Thornton and Wheeler, and also of Russian authors, yielded partly contradictory results; thus, Thornton found between 40 and 100 c/s an increase of the incendive current by a factor 3.5-4.5 (voltage range 400-800 V), whereas Wheeler found no relation between frequency and incendive current. The authors designed their testing circuit in accordance with Soviet regulations for safety in mines and tested at 30, 480 and 2500 c/s. The corresponding values of the incendive current found were 0.205, 0.222 and 0.280 A, respectively, thus revealing no appreciable increase with the frequency. It seems that the small increase may be explained by the fact that the faculty of propagation of the small arc drawn in the explosion chamber weakens with increasing frequency, and has to be compensated by a small increase of the current.

B. F. KRAUS

8-13-54

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103110011-3



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103110011-3"

SOV/110-59-2-13/21

**AUTHORS:** Starosko'skiy, N.A., Candidate of Technical Sciences,  
Bakmutskiy, F.I., Engineer, Rozenfel'd, V.Ye.  
Doctor of Technical Sciences, Professor

**TITLE:** Mine Haulage by Contactless High-Frequency Electric  
Locomotives (Rudnichnaya otkatka beskontaktnymi  
elektrovozami povyshennoy chastoty)

**PERIODICAL:** Vestnik Elektropromyshlennosti, 1959, Nr 2, pp 55-60 (USSR)

**ABSTRACT:** High-frequency contactless electric locomotives are likely to prove useful in mines where there is a risk of fire. This system employs inductive transfer of energy from the system to the moving locomotive, a schematic diagram of the arrangement being given in Fig 1. The power distribution system consists of two insulated cables suspended at a height of 1.7 metres. This system acts as a primary circuit, the secondary circuit being located on the locomotive. The current in the primary circuit is automatically maintained constant whatever the load on the locomotive. The main difficulty in developing contactless electric transport is that the electro-magnetic linkage between primary and secondary is weak because closed magnetic circuits cannot be used. Conditions are best at high frequency, and the frequency

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SOV/110-59-2-13/21

Mine Haulage by Contactless High-Frequency Electric Locomotives of 2,500 c/s has been used on an experimental installation with an electric locomotive of 15 - 20 kW. Even at 2500 c/s the inductive reactance of the section line is 22 - 23 ohms/km and, therefore, compensating capacitors must be installed at intervals of 500 - 600 metres along the line. The power receiver installed on the locomotive consists of a steel core and several turns of cables. The cables are of special construction to reduce skin effects. The inductive reactance of the power receiver is 15 - 20 ohms and it must accordingly be sectionalized. Considerable difficulties are experienced in designing traction motors for frequencies of 1000 c/s and more. However, dry type rectifiers operate satisfactorily at such frequencies and so direct current motors are recommended. A special feature of the conditions of operation is that the voltage varies very greatly with the load. A number of other constructional problems are described. The first contactless electric locomotive running at a frequency of 2500 c/s commenced operation in 1951 on an experimental surface narrow gauge line. An experimental installation 1.5 km long was installed in a mine in 1954.

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SOV/110-59-2-13/21

## Mine Haulage by Contactless High-Frequency Electric Locomotives

After the equipment had operated successfully for seven months it was dismantled as the convertor was required for further development work in the laboratory. A new experimental line with two locomotives has been operating in the same mine since early in 1958. A 100 kW high-frequency furnace type generator is used. The rest of the installation is briefly described. The maximum power of the locomotive depends on the conditions and ranges from 13 - 20 kW. The locomotives have been convenient to control and reliable in operation. There have been several cases of capacitor failure. Safety questions are then considered. The possibility of dangerous e.m.f.'s being induced in other conductors is considered and it is found that dangerous values are unlikely to occur. Interference with telephonic communications is not excessive. The electrical equipment on the locomotives and the line capacitors must, of course, be explosion-proof. Consideration is given to the selection of frequency and it is concluded that a frequency in the neighbourhood of 3000 c/s is best. Theoretical traction characteristics for a contactless locomotive weighing

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SOV/110-59-2-13/21

Mine Haulage by Contactless High-Frequency Electric Locomotives

8.5 tons at a frequency of 3000 c/s are given in Fig 3. It is considered that contactless locomotives will be useful when it is required to haul 350 - 400 tons of coal per day or more, and they become particularly attractive at rates of 1000 tons of coal per day. Figures are given for the overall efficiency of the system and these range from 14% at 400 tons of coal per day to 25% at 1750 tons of coal per day. Operating experience with nickel iron accumulators in mining locomotives shows that the mean efficiency of accumulator haulage is about 23%. This efficiency is reckoned only to the battery terminals and as rheostats are more used in battery locomotives their power consumption is some 10% higher than that of the corresponding contactless locomotive. The overall efficiency of the contactless system could be improved by the use of ionic frequency changers. A disadvantage of contactless locomotives is that they are somewhat higher than battery types, overhead wires are necessary and the construction is somewhat complicated. The power of the

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Mine Haulage by Contactless High-Frequency Electric Locomotives

locomotives can be increased by about 20% if the selenium rectifiers are replaced by germanium. It is recommended to manufacture a series of experimental locomotives for installation in two or three mines.

Card 5/5

There are 3 figures and 2 Soviet references.

SUBMITTED: June 27, 1958

BAKHMUTSKIY, F.I., inzh.; OROKHOVSKIY, I.I.; KHARLAMOV, V.V., inzh.;  
ROZENFEL'D, V.Ye., doktor tekhn.nauk; STAROSKOL'SKIY, N.A.,  
kand.tekhn.nauk, dots.

Mine haulage by means of high-frequency electric locomotives.  
Ugol' 35 no.6:29-33 Je '60. (MIRA 13:7)

1. Dongiprouglesh (Bakhmutskiy, Orokhoval'skiy, Kharlamov). 2. Moskov-  
skiy energeticheskiy institut (for Rosenfel'd, Staroskol'skiy).  
(Mine railroads)  
(Electric locomotives)

~~BAKIMITSKIY, M.A., inzh.~~; GORHOVITS, M.N., inzh.; PODSYANIN, Yu.I., inzh.  
SITEYNBERG, A.S., inzh.

Experimental molding equipment with packet vibration. Stroi. 1  
dor. mash. 9 no.3:29-31 Mr '64. (MIRA 17:6)

<sup>Sh</sup>  
BAKHUTSKIY, M. (Gatchina).

Machine accounting on collective farms. Bukhg.uchet 16 no.1:39-49  
Ja '57. (MLRA 10:2)

1. Starshiy inshener Leningradskoy gruppy proyektirovshchikov.  
Soyuzmashucheta.  
(Collective farms--Accounting) (Machine accounting)

RAKHUMTSKIY, M.Sh,

Experience in machine accounting on collective farms. [Izd.]  
LONITOMASH 44:152-165 '58. (MIRA 11:9)  
(Collective farms--Accounting) (Machine accounting)

BAKHMUTSKIY, P.

Pilot Erenenko's story. Kryl.rod. 3 no.5:15-16 My '52.  
(Erenenko, Ivan Ivanovich) (MIRA 8:8)

BAKHUTSKIY, V.F.

Analysis of the errors of some d.c. measuring bridges as applied  
to cable measurements. Elektrosviaz' 18 no.12:73-76 D '64.

(MIRA 18:1)

ACC NR: AR7000770

SOURCE CODE: UR/0272/66/000/009/0129/0129

AUTHOR: Bakhmutskiy, V. F.; Ogirko, N. M.

TITLE: A method for localizing insulation damage in cable lines

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 9.32.886

REF SOURCE: Kontrol'no-izmerit. tekhnika. Resp. mezhved. nauchno-tekhn. sb. vyp. 1, 1965, 100-104

TOPIC TAGS: electric insulation, electric cable, ~~insulation, insulation damage~~

ABSTRACT: The possibility of improving the existing method of localizing damages injurious to the electrical strength of cable insulation is investigated. An analysis of the errors pertaining to the bridge method reveals the following possibilities for improving it: 1) replacement of three measurements by two measurements which simplifies the calculation formula and reduces overall error; 2) replacement of the sliding wire potentiometer with its discrete analog which improves the reliability of the measuring instrument and facilitates its manufacture and adjustment; 3) introduction of an additional measurement for determining the

Card 1/2

UDC: 621.317.333

ACC NR: AR7000770

line resistance which increases the range of applications of the method. These considerations should be taken as the basis for localizing reduced electrical strength in cable insulation. There are four illustrations and a bibliography of 4 titles. [Translation of abstract]

[DW]

SUB CODE: 09//

Card 2/2

ACC NR: AP7002632

(A,N)

SOURCE CODE: UR/0413/66/000/023/0182/0182

INVENTOR: Bakhmutskiy, V. F.

ORG: None

TITLE: A gauge for indicating the rate of change in temperature. Class 42,  
No. 44306

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 182

TOPIC TAGS: temperature instrument, electronic measurement, thermistor, TEMPERATURE  
6768

ABSTRACT: This Author's Certificate introduces a gauge for indicating the rate of change in temperature. The unit contains two thermistors, one of them located in a heat insulated jacket to create a relative delay. The electrical circuit is simplified and the sensitivity of the instrument is improved by using thermistors which have temperature coefficients with opposite signs.

SUB CODE: 13, 09/ SUBM DATE: 18Mar61

Card 1/1

BAKHMUTSKIY, V.F. (L'vov)

Using the Poincaré method in investigating unsteady vibrations. Izv.  
AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.3:84-90 My-Je '61.  
(Vibration) (MIRA 14:6)

BAKHUTSKIY, V.F., Inst.; VIRSHINSKY, I.I., Inst.

Method for increasing the measurement ranges of tubular megohmmeters.  
Vest. svyazi 25 no.7:7-8 JI 165. (MIRA 18:8)

BAKHUTSKIY, V.F. (L'vov)

Investigating the steadying processes of vibrations in nonlinear systems with many degrees of freedom. Izv.AN SSSR.Otd.tekh.nauk. Mekh.i mashinostr. no.2:110-118 Mr-Ap '62. (MIRA 15:5)  
(Vibration)

9.6000 (1040,1089,1099)

S/103/61/022/002/013/015  
B019/B060

AUTHORS: Bakmutskiy, V. F., Vinshteyn, I. I., Sas, S. Ye. (L'vov)

TITLE: Use of a pulse feeding of a measuring bridge with semiconductor thermistors in two-position temperature control devices

PERIODICAL: Avtomatika i telemekhanika, v. 22, no. 2, 1961, 259-262

TEXT: A study has been made of the heat balance of a semiconductor thermistor with pulse feeding. By way of introduction, setup and use of two-position temperature control devices are discussed in general. The investigation proper is made on the basis of the diagram shown in Fig. 1. This diagram consists of the pulse generator IG, the measuring circuit MK, the semiconductor thermistor ST, and the two-position indicator II. The following relations are given for the power dissipation in the thermistor with pulse feeding:

$$p(t) = \begin{cases} P & \text{with } n(t_p + t_1) \leq t \leq (t_p + t_1) + t_1 \\ 0 & \text{with } n(t_p + t_1) + t_1 \leq t \leq (n + 1)(t_p + t_1) \end{cases} \quad (1)$$

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89182

Use of a pulse feeding ...

S/103/61/022/002/013/015  
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$t_1$  denotes the pulse duration,  $t_p$  the time between the pulses,  $P$  the power per pulse. The following heat conduction equations are given by taking account of (1):

$$\begin{aligned} dT/dt + T/\tau &= \theta/\tau + \sigma P \\ dT/dt + T/\tau &= \theta/\tau \end{aligned} \quad (3)$$

Solution  $T_n^{(1)}$  is obtained for the  $n$ -th pulse, and solution  $T_n^{(2)}$  for the time between the  $n$ -th pulse and the  $(n+1)$ -th pulse, and therefrom, by a passage to the limit  $n \rightarrow \infty$ , the solutions

$$T_{\infty}^{(1)} = \theta + \sigma P - \sigma P \frac{\exp \frac{t_n + t_n}{\tau} - \exp \frac{t_n}{\tau}}{\exp \frac{t_n + t_n}{\tau} - 1} \exp\left(-\frac{t_1}{\tau}\right), \quad (6)$$

$$T_{\infty}^{(2)} = \theta + \sigma P \frac{\exp \frac{t_n}{\tau} (\exp \frac{t_n}{\tau} - 1)}{\exp \frac{t_n + t_n}{\tau} - 1} \exp\left(-\frac{t_2}{\tau}\right). \quad (7)$$

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Use of a pulse feeding ...

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are obtained. From these equations, one obtains formula

$$N = \frac{(P)_{\text{pac}}}{(P_0)_{\text{pac}}} = \frac{\exp \frac{t_2 + t_1}{\tau} - 1}{\exp \frac{t_2}{\tau} (\exp \frac{t_1}{\tau} - 1)} \quad (10)$$

which permits determining the power gain obtained by the use of a pulse feeding of the measuring bridge. As may be seen, the power gain increases with growing  $t_p/\tau$  and decreasing  $t_1/\tau$ , in which case, however, there exist limit values of these quantities. These limit values are determined, on the one hand, by the measuring instrument, and on the other hand, by the temperature change in the object.

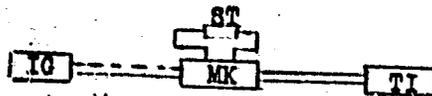


Fig. 1

There are 1 figure and 3 Soviet-bloc references.  
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Use of a pulse feeding ...

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SUBMITTED: April 5, 1960

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Card 4/4

BAKMUTSKIY, V.F. (L'vov)

Calculation of a circuit containing a thermistor in relay operation.  
Avt. 1, telem. 22 no.1:121-124 Ja'61. (MIRA 14:3)  
(Thermistors) (Electric relays)

RAVDONIK, Vladimir Stanislavovich, kand. tekhn. nauk; BAKMUTSKIY, Yevgeniy Yegorovich, inzh.; BUTMAN, S.G., red.; FOMICHEV, A.G., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Modern low-voltage electric fixtures; lecture transcript) Sovremennaya niskovol'tnaya elektroustanovochnaya apparatura; stenogramma lektsii. Leningrad, 1961. 38 p. (MIRA 14:7)  
(Electric wiring, Interior)

BAKHNEV, B.

"Electric Distribution System of Average Tension With the Ground as a Conductor", P. 15. (ELEKTROENERGIJA, Vol. 5, No. 10, Oct. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

BAKHNEV, Bakhni, inzh.; DACHEV, Liubomir, inzh.

Economical commutation circuits for substations. Elektroenergiia  
13 no.10:18-21 0 '62.

LAZAROVSKI, Stefan, inzh.; BAKHNEV, Bakhti; NANOV, Dimitur;  
VLADKOV, Vladimir; PANAIOTOV, Panaiot

Protection of the 20 kv. system against lightning. Isv  
Inst energ BAN 1:155-241 '61.

1. Chlen na Redaktsionnata kolegia, "Izvestia na Instituta  
po energetika" (for Lazarovski).

PETKOV, L., inzh.; BOZHKOVA, L., inzh.; BAKHNEV, B., inzh.; DIMOVA, M., inzh.

Standard diagrams of active and reactive loads. Elektroenergiia 14  
no.7:7-9 JI '63.

BAKHNEV, Bakht, inzh.; DIMOVA, Mariia, inzh.

Determination of compensating effect in various methods of  
regulating condenser batteries. Elektroenergiia 14 no.11:  
2-5 N'63.

BARKOV, Boris, Eng.

Problem of finding the compensating capacity in the determination  
of conditions for pressure regulation. *Elektroenergiia* 15 no.10:  
11-12, 1967.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103110011-3

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103110011-3"

BAKHITSKIY, S.A.; STAROSTIN, M.N., redaktor; SPIRIDONOV, N.F., tekhnicheskii redaktor

[Agronomist Alevtina Boikova; a sketch] Agronom Alevtina Boikova;  
ocherk. [Kuibyshev] Kuibyshevskoe kn-vo, 1954. 23 p. (MIRA 9:8)  
(Boikova, Alevtina Terent'evna)

BAKHNOV, A.

Review the classification of sacks and accounts with consumers.  
Muk.-elev.prom. 22 no.2:28-29 F '56. (MLRA 9:6)

1. Dnepropetrovskoye sayedoupravleniye Glavnuki.  
(Bagging) (Fleur mills)

BAKINOV, Yuriy Naumovich; STEPANSKAYA, I.M., red.

[Teaching the topic "Assembly drawings"] Prepodavanie  
temy "Sbornochnye chertezhi". Moskva, Vysshaya shkola,  
1965. 52 p. (MIRA 18:11)

MURZIN, V.A., kand. tekhn. nauk; BAKHOLDIN, B.A., inzh.

Methods and equipment for the experimental investigation of  
pneumatic impact machines. Izv. vys. ucheb. zav.; gor. shur.  
no.12:87-95 '58. (MIRA 12:8)

1. Dnepropetrovskiy gornyy institut (for Murzin). 2. Institut  
gornogo dela AN USSR (for Bakholdin).  
(Mining machinery--Testing)  
(Pneumatic machinery--Testing)

BAKHOLDIN, B.A., aspirant

Method of choosing parameters for constructing electric models of conveyors with flexible, traction connectors. Vop.rud. transp. no.4:67-73 '60.  
(MIRA 14:3)

1. Institut gornogo dela AN USSR.  
(Conveying machinery--Electromechanical analogies)

BAKHOLDIN, B. A.

Cand Tech Sci - (diss) "Study of the dynamics of underground  
scraper conveyors by a modeling method." Stalino, 1961.  
14 pp; (Ministry of Higher and Secondary Specialist Education  
Ukrainian SSR, Donets Order of Labor Red Banner Polytechnic  
Inst); 150 copies; price not given; (KL, 7-61 sup, 232)

POLYAKOV, N.S., prof.; BAKHOLDIN, B.A., inzh.

Research on the possibility of applying Hanfshtengel's formula  
to the dynamic calculation of a scraper conveyer. Izv. vys. ucheb.  
sav.; gor. zhur. no. 2: 87-96 '61. (MIRA 14:3)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy  
institut imeni Artema (for Polyakov). 2. Institut gornogo dela  
AN USSR (for Bakholdin).

(Conveying machinery)

BAKHOLDIN, B.A., aspirant; RYKHAL'SKIY, Yu.A., aspirant

Using electric modeling to study the dynamics of scraper conveyors. Vop. rud. transp. no.5:59-69 '61. (MIRA 16:7)

1. Institut gornogo dela AN UkrSSR.  
(Conveying machinery--Models)

BAKHOLDIN, B.A., inzh.; LESKEVICH, V.I., inzh.

Power transducer for studying belt conveyors. Vop. rud. transp.  
no.6:57-63 '62. (MIRA 15:8)

1. Institut chernoy metallurgii AN UkrSSR.  
(Conveying machinery)

BILICHENKO, N.Ya., kand.tekhn.nauk; POLUYANSKIY, S.A., kand.tekhn.nauk;  
BAKHOLDIN, B.A., kand.tekhn.nauk; LESKEVICH, V.I., inzh.

Experimental studies of a heavy-duty belt conveyor at the Krivoy Rog Southern Mining and Ore Dressing Combine. Vop. rud. transp. no.7:45-57 '63. (MIRA 16:9)

1. Dnepropetrovskiy gornyy institut (for Bilichenko). 2. Otdeleniye gornorudnykh problem Instituta elektrotekhniki AN UkrSSR (for Leskevich).

(Krivoy Rog Basin--Conveying machinery--Testing)

BAKHOLDIN, B.A., kand. tekhn. nauk; LESKEVICH, V.I., inzh.

Stage drive for heavy-duty belt conveyors. Vop. rud. transp.  
no. 7:94-104 '63. (MIRA 16:9)

1. Otdeleniye gornorudnykh problem Instituta elektrotekhniki  
AN UkrSSR.

(Conveying machinery--Electric driving)

PODOPRIGORA, A.S., kand.tekhn.nauk; BAKHOLDIN, B.A., kand.tekhn.nauk;  
NOVIKOV, Ye.Ye., inzh.

Inscribing vehicles in inclined curves of mine railroads. Vop.  
rud. transp. no.7:270-275 '63. (MIRA 16:9)

1. Otdeleniye gornorudnykh problem Instituta elektrotekhniki  
AN UkrSSR.

(Mine railroads—Curves and turnouts)

BAKHOLDIN, B.A., kand. tekhn. nauk; RYKHAL'SKIY, Yu.A., kand. tekhn. nauk;  
LESKEVICH, V.I., inzh.

Modeling the starting of belt conveyors with single-drum drives.  
Gor. zhur. no.9:39-44 S '63. (MIRA 16:10)

1. Institut elektrotehniki AN UkrSSR.

BAKHOLDIN, B.V., inzh.

Temperature field of a frozen ground wall. Shakht.stroi.  
no.4:15-18 Ap '59. (MIRA 12:5)  
(Frozen ground)

BAKHOLDIN, B.V., insh.

Relation of heat factors to thermal freezing conditions. [Trudy]  
NIOSP no.36:43-45 '59. (MIRA 13:5)  
(Soil freezing)

BAKHOLDIN, B.V., inzh.

Thermal conditions and freezing times to be used in construction.  
[Trudy] NIIOSP no.36:46-51 '59. (NIRA 13:5)  
(Soil freezing)

KHAKIMOV, Kh.R.; BAKHOLDIN, B.V.; RUDERMAN, B.G.

Using hydraulic methods in sinking refrigerating cores. Osn.fund.  
1 mekh.grun. 2 no.2:16-17 '60. (MIRA 13:8)  
(Soil freezing)

BAKHRAKH, V.N., inzh.

Traction substations and sectionalizing posts with remote control.  
Elek. i tepl. tiaga 4 no.10:3 O '60. (MIRA 13:10)

1. Kurganskiy uchastok energosnabzheniya.  
(Electric railroads--Substations) (Remote control)

BAKHOLDIN, B.V.

Some conclusions drawn from observations of the artificial freezing  
of soils. [Trudy] NIIOSP no.45:88-99 '61. (MIRA 15:1)  
(Soil freezing)

BAKHOLDIN, B.V.

Determining temperatures in ice walls. Osn., fund. i mekh. grun.  
3 no.5:17-18 '61. (MIRA 14:11)

(Frozen ground)

BAKHOLDIN, B.V.

Flow of heat toward ice cylinders of frozen curtains with significant seepage speeds of ground water. [Trudy] NIIOSP no.45:77-87 '61. (MIRA 15:1)

(Soil freezing)

BAKHOLDIN, B.V.; SMIRNOVA, A.P., red. izd-vn; NAUMOVA, G.D., tekhn.  
red.

[Selection of the optimal method of freezing soil for building purposes] Vybór optimal'nogo rezhima zamorashivaniia gruntov v stroitel'nykh tseliakh. Moskva, Gosstroizdat, 1963. 69 p. (Soil freezing) (MIRA 16:7)

BAKHODLIN, B.V., kand.tekhn.nauk

Formation of ice walls by two rows of freezing columns. Shakht.  
stroi. 7 no.7:14-16 JI '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh  
sooruzheniy.

ABELEV, Yu.M., doktor tekhn. nauk, prof.; ABELEV, M.Yu., inzh.;  
BAKHOLDIN, B.V., kand. tekhn. nauk; BEREZANTSEV, V.G.,  
doktor tekhn. nauk, prof.; VYALOV, S.S., doktor tekhn.  
nauk; GODES, E.G., inzh.; GORBUNOV-POSADOV, M.I., doktor  
tekhn. nauk, prof.; DALMATOV, B.I., doktor tekhn. nauk,  
prof.; DOKUCHAYEV, V.V., kand. tekhn. nauk; KRUTOV, V.I.,  
kand. tekhn. nauk; KSENOFONTOV, A.I., kand. tekhn. nauk;  
MARIUPOL'SKIY, G.M., kand. tekhn. nauk; MORARESKUL, N.N.,  
inzh.; PERLEY, Ye.M., inzh.; SAVINOV, O.A., doktor tekhn.  
nauk; SIDOROV, N.N., kand. tekhn. nauk; SMORODINSKIY,  
N.N., kand. tekhn. nauk; SOKOLOV, N.M., doktor tekhn.nauk;  
FRADKIN, A.Ya., inzh.; SHASHKOV, S.A., kand. tekhn.nauk;  
SEYKOV, M.L., inzh.; YAROSHENKO, V.A., kand.tekhn.nauk,  
[deceased]; KHALIZEV, Ye.P., kand. tekhn. nauk, nauchn.red.

[Manual for the designing of industrial plants, apartment  
houses, and public buildings and structures; foundations]  
Spravochnik proektirovshchika promyshlennykh, zhilykh i  
obshchestvennykh zdaniy i sooruzheniy; osnovaniya i funda-  
menty. Leningrad, Stroiizdat, 1964. 268 p.

(MIRA 18:1)

TALIKOV, N.A.; BAKHOLDIN, S.V.; SERAVKIN, K.A.

Conveyors with a bushing-roller chain. Fern. i spirit. prom. 30  
no.1:32-33 '64. (MIRA 17:11)

1. Ryazanskiy likero-vodochnyy zavod.

BAKHOLDIN, Yu. A.

Device for moving injection units and auxiliary equipment in  
tunnels. Suggested by I.U.A. Bakholdin. Rats. predl. no. 43:4-  
6 '59. (MIRA 14:1)

(Tunneling)

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L 3108-66 ENT(d)/ENT(m)/ENT(i)/ENP(c)/ENP(v)/I/ENP(t)/ENP(k)/ENT(h)/ENP(b)/ENP(l)  
ACCESSION NR: AP9026358 JD UR/0105/64/000/009/0094/0095

AUTHOR: Tsvetkov, V. A.; Birzniyev, L. V.; Vysochanakiy, V. S.; Shakhasaryan, Yu. M.; Kazanakiy, V. Ye.; Kapuntsov, Yu. D.; Salekh, M. A. Kh.; Frumkin, A. L.; Bakhtov, B. A. 79 56 23

TITLE: Dissertations in competition for the academic degree of doctor of technical sciences

SOURCE: Elektrichestvo, no. 9, 1964, 94-95

TOPIC TAGS: electric engineering, electric power engineering, electric equipment, electric distribution equipment, electric rotating equipment, automatic control, automatic control system

Abstract: The following defended dissertations at the Moscow Power Engineer-  
ing Institute: V. A. TSVETKOV, 14 December 1962, on the theme "Autopara-  
magnetic Phenomena and Surges in Three-Phase Circuits which Contain Ferro-  
magnetic Equipment," his official opponents -- Doctor of Technical Sciences,  
Professor V. A. TAYT and Candidate of Technical Sciences, Lecturer L. F.  
DUDCHOVSKAYA; L. V. BIRZNIYEV, 4 January 1963, on the theme "Electro-  
magnetic Processes in Multistage Voltage Regulation Circuits in Electric

Card 1/4 [NOT AUTHOR'S OR ARTICLE]

L 3108-66

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Rolling Stock with Semiconductor Rectifiers," his official opponents -- Doctor of Technical Sciences B. M. TIMUCHENY and Candidate of Technical Sciences, Lecturer L. N. TRAFHTMAN, Yu. S. YISOCHANSKIY, 18 January 1963 on the theme "Methods for Controlling the Strip Tension at the Reel of a Cold Rolling Mills," his official opponents -- Doctors of Technical Sciences K. P. KUNITSKIY and N. N. DRUZHININ; Yu. M. SHAGHAKHARYAN, 18 January 1963, on the theme "Approximate Methods for Analysis of Non-Stationary Asynchronous Conditions in Electrical Systems," his official opponents -- Doctor of Technical Sciences, Professor L. O. MANIKONYANTS and Candidate of Technical Sciences, Lecturer N. I. GOKOLOV; V. Ye. KAZANSKIY, 18 January, on the theme "Some Problems in Automation and Remote Control of Power Systems," his official opponents -- Doctor of Technical Sciences, Professor I. A. SYROMYATNIKOV and Candidate of Technical Sciences V. K. SPIRIDONOV; Yu. D. KAPUNTSOV, 18 January 1963, on the theme "An Asynchronous Electric Drive with Non-Symmetric Connection of the Saturation Chokes in the Stator Circuit," his official opponents -- Doctor of Technical Sciences V. Ye. BOGOLYUBOV and Candidate of Technical Sciences, Lecturer D. N. LIPATOV; M. A. Kh. SALEKH, 22 February 1963, on the theme "Theoretical Study of the Operation of Miniature Two-Phase Asynchronous Machines when the Supply Voltage is not Sinusoidal," his official opponents -- Doctor of Technical Sciences, Professor A. I. BERTINOV and Candidate of Technical Sciences,

Card 2/4

L 3100-66

ACCESSION NR: AP5026358

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Lecturer P. Yu. KAASIK; A. L. FRUMKIN, 8 March 1963, on the theme "A Theoretical and Experimental Study of the Permeability of Anisotropic Thin Magnetic Films," his official opponents -- Doctor of Physical and Mathematical Sciences, Professor R. V. TELESNIN and Candidate of Technical Sciences, Lecturer P. P. MESYATSEV; B. A. BAKHOVTSOV, 19 April 1963, on the theme "Synthesis of Systems for Automatic Control of Starting and Stopping of Electric Drives," his official opponents -- Doctor of Technical Sciences, Professor A. S. DANDLER and Candidate of Technical Sciences, Lecturer Yu. Ye. KITUSOV. At the Kozlov Higher Technical Academy Imeni Bauman -- G. A. MIKROV, 10 December 1962, on the theme "A Method for Experimental Programming of Electronic Digital Computers," his official opponents -- Doctor of Physical and Mathematical Sciences, Professor L. A. LYUSTERNIK and Candidate of Technical Sciences, V. Ya. PETROV. At the All-Union Electrotechnical Institute im. Lenin -- Y. A. VOL'KOV, 11 December 1962, on the theme "Conductivity of Carborundum," his official opponents -- Doctor of Technical Sciences, Professor V. V. BURGSDORF and Candidate of Technical Sciences, D. V. SHISHMAN. At the Academy of Municipal Economy im. Pamfilov -- Y. A. KOZLOV, 14 January 1963, on the theme "Problems in the Use of Closed Systems for Municipal Electrical Networks," his official opponents -- Professor P. G. GRUDINSKIY and Candidate of Technical Sciences, Lecturer P. P. VORONTSOV.

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ACCESSION NR: AP5026358

At the All-Union

Scientific Research Institute of Electromechanics -- L. Ya. STAMISLAVSKIY, 23 November 1962, on the theme "On Work in the Field of High Power Turbo-generators and Hydrogenerators," his official opponents -- Doctor of Technical Sciences, Professor I. M. POSTNIKOV, Doctor of Technical Sciences I. D. URUSOV and Candidate of Technical Sciences Yu. M. EL'KIND.

Research Institute of Railroad Transportation: Y. D. TULUPOV, 21 December 1962, on the theme "Development and Investigation of a System for Automatic Control of Rheostat Braking of Rectifier Electric Locomotives," his official opponents -- Doctor of Technical Sciences B. N. TIKHOMENY and Candidate of Technical Sciences B. G. KAMENETSKIY; V. D. MONTSEY, 21 December 1962, on the theme "Protection of Traction Motors from Short Cir-

cuit Currents During Regenerative Braking," his official opponents -- Doctor of Technical Sciences, Professor V. Ye. ROZENFEL'D and Candidate of Technical Sciences L. M. TRAJNMAN; A. V. KAMENLY, 11 January 1963, on the theme "Study of Voltage Control Systems for Power Transformers in AC Electric Locomotives with Rectifiers," his official opponents -- Doctor of Technical Sciences, I. P. ISAYEV and Engineer Kh. Ya. BYSTRITSKIY.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 000

Card 1/1

ENCL: 00

OTHER: 000

SUB CODE: EC, IE

JPRS